

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits    | Search Query                     | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|---------|----------------------------------|---|------------------|---------|------------------|
| L1    | 5       | ((DANIEL) near2 (IRI MIA)). INV. | US-PGPUB; USPAT                             | OR               | ON      | 2011/03/13 23:00 |
| L7    | 1       | 2 and 6                          | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2011/03/13 23:02 |
| L6    | 2282    | 3 with 4 with 5                  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2011/03/13 23:02 |
| L5    | 1629418 | negative                         | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2011/03/13 23:02 |
| L4    | 4957301 | pressure                         | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2011/03/13 23:02 |
| L3    | 277803  | capillary                        | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2011/03/13 23:02 |
| L2    | 1       | (US-20070099289-\$).did.         | US-PGPUB                                    | OR               | ON      | 2011/03/13 23:02 |
| L11   | 9256    | 8 or 9 or 10                     | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2011/03/13 23:11 |
| L10   | 269     | 436/53.ccls.                     | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2011/03/13 23:11 |
| L9    | 7620    | 435/287.2,288.5.ccls.            | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2011/03/13 23:11 |

|     |        |  |   |    |    |                     |
|-----|--------|--|---|----|----|---------------------|
| L8  | 1621   | 422/82,502,503,130.ccls.                                 | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/13<br>23:11 |
| L15 | 32     | 13 and 14  | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/13<br>23:12 |
| L14 | 61     | 12 and 10  | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/13<br>23:12 |
| L13 | 87     | 12 and 422/82.ccls.                                      | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/13<br>23:12 |
| L12 | 51829  | microfluid\$ or microchannel<br>or microchamber          | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/13<br>23:12 |
| L17 | 1090   | 11 and 16  | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/13<br>23:13 |
| L16 | 142034 | (cross or connection) near3<br>(channel or microchannel) | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/13<br>23:13 |
| L20 | 17     | 6 and 19   | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/13<br>23:14 |
| L19 | 905    | 11 and 18  | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/13<br>23:14 |
| L18 | 79210  | cross near3 channel                                      | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/13<br>23:14 |
| L26 | 244    | L24 same L25   | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/13<br>23:15 |

|     |       |  |   |    |    |                     |
|-----|-------|--|---|----|----|---------------------|
| _25 | 5709  | cross adj channel  | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/13<br>23:15 |
| _24 | 43957 | L21 or L22 or L23  | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/13<br>23:15 |
| _23 | 28535 | microfluidic\$   | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/13<br>23:15 |
| _22 | 411   | microfluidic\$   | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/13<br>23:15 |
| _21 | 21847 | microchannel   | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/13<br>23:15 |
| _40 | 15    | 26 not 39  | US_PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/03/13<br>23:16 |
| _39 | 229   | (US-20100108517-\$ or US-20100086491-\$ or US-20090325259-\$ or US-20090321264-\$ or US-20090311737-\$ or US-20090298139-\$ or US-20090272270-\$ or US-20090235990-\$ or US-20090208548-\$ or US-20090196805-\$ or US-20090162616-\$ or US-20090084685-\$ or US-20090079976-\$ or US-20090020427-\$ or US-20090014333-\$ or US-20080288178-\$ or US-20080277356-\$ or US-20080185043-\$ or US-20080177518-\$ or US-20080163946-\$ or US-20080074449-\$ or US-20080070311-\$ or US-20080067068-\$ or US-20080035484-\$ or US-20080006533-\$ or US-20080003690-\$).did. or (US-20070217957-\$ or US- | US_PGPUB;<br>USPAT; EPO;<br>DERWENT                     | OR | ON | 2011/03/13<br>23:16 |

|  |                              |
|--|------------------------------|
|  | 20070209572-\$ or US-        |
|  | 20070169686-\$ or US-        |
|  | 20070161071-\$ or US-        |
|  | 20070134807-\$ or US-        |
|  | 20070111296-\$ or US-        |
|  | 20070031961-\$ or US-        |
|  | 20070026421-\$ or US-        |
|  | 20070017633-\$ or US-        |
|  | 20060245978-\$ or US-        |
|  | 20060196409-\$ or US-        |
|  | 20060157349-\$ or US-        |
|  | 20060142401-\$ or US-        |
|  | 20060120213-\$ or US-        |
|  | 20060093836-\$ or US-        |
|  | 20060000722-\$ or US-        |
|  | 20050279635-\$ or US-        |
|  | 20050277125-\$ or US-        |
|  | 20050241941-\$ or US-        |
|  | 20050229839-\$ or US-        |
|  | 20050194314-\$ or US-        |
|  | 20050178317-\$ or US-        |
|  | 20050170362-\$ or US-        |
|  | 20050161669-\$ or US-        |
|  | 20050148064-\$ or US-        |
|  | 20050129580-\$ or US-        |
|  | 20050089924-\$).did. or (US- |
|  | 20050084612-\$ or US-        |
|  | 20050051489-\$ or US-        |
|  | 20050051429-\$ or US-        |
|  | 20050019794-\$ or US-        |
|  | 20050009174-\$ or US-        |
|  | 20040241733-\$ or US-        |
|  | 20040228770-\$ or US-        |
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|  | 20040219072-\$ or US-        |
|  | 20040179197-\$ or US-        |
|  | 20040134845-\$ or US-        |
|  | 20040112751-\$ or US-        |
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|  | 20040058406-\$ or US-        |
|  | 20040051154-\$ or US-        |
|  | 20040033531-\$ or US-        |
|  | 20040028567-\$ or US-        |
|  | 20040017981-\$ or US-        |
|  | 20040005582-\$ or US-        |
|  | 20030196695-\$ or US-        |
|  | 20030175815-\$ or US-        |
|  | 20030138359-\$ or US-        |
|  | 20030136736-\$ or US-        |
|  | 20030134431-\$ or US-        |
|  | 20030127610-\$ or US-        |
|  | 20030094953-\$ or US-        |
|  | 20030070925-\$).did. or (US- |
|  | 20030061687-\$ or US-        |
|  | 20030038248-\$ or US-        |
|  | 20030020910-\$ or US-        |
|  | 20030003026-\$ or US-        |
|  | 20020197619-\$ or US-        |
|  | 20020197603-\$ or US-        |

|  |                               |
|--|-------------------------------|
|  | 20020187503-\$ or US-         |
|  | 20020185377-\$ or US-         |
|  | 20020182113-\$ or US-         |
|  | 20020179849-\$ or US-         |
|  | 20020179447-\$ or US-         |
|  | 20020166585-\$ or US-         |
|  | 20020160139-\$ or US-         |
|  | 20020146703-\$ or US-         |
|  | 20020145231-\$ or US-         |
|  | 20020127149-\$ or US-         |
|  | 20020092767-\$ or US-         |
|  | 20020086439-\$ or US-         |
|  | 20020084185-\$ or US-         |
|  | 20020076697-\$ or US-         |
|  | 20020075363-\$ or US-         |
|  | 20020048768-\$ or US-         |
|  | 20020037520-\$ or US-         |
|  | 20020034580-\$ or US-         |
|  | 20020033193-\$ or US-         |
|  | 20020023684-\$ or US-         |
|  | 20010035351-\$).did. or (US-  |
|  | 20010020589-\$).did. or (US-  |
|  | 7670429-\$ or US-7651598-\$   |
|  | or US-7497994-\$ or US-       |
|  | 7479186-\$ or US-7473361-\$   |
|  | or US-7470408-\$ or US-       |
|  | 7445027-\$ or US-7368163-\$   |
|  | or US-7326296-\$ or US-       |
|  | 7279146-\$ or US-7264702-\$   |
|  | or US-7247274-\$ or US-       |
|  | 7244961-\$ or US-7195670-\$   |
|  | or US-7179383-\$ or US-       |
|  | 7150966-\$ or US-7122659-\$   |
|  | or US-7091048-\$ or US-       |
|  | 7067263-\$ or US-7052545-\$   |
|  | or US-7023007-\$ or US-       |
|  | 7018520-\$ or US-7005493-\$   |
|  | or US-6994826-\$ or US-       |
|  | 6967489-\$ or US-6906797-\$). |
|  | did. or (US-6857449-\$ or US- |
|  | 6841193-\$ or US-6838680-\$   |
|  | or US-6833068-\$ or US-       |
|  | 6827906-\$ or US-6827831-\$   |
|  | or US-6806543-\$ or US-       |
|  | 6805841-\$ or US-6803019-\$   |
|  | or US-6790341-\$ or US-       |
|  | 6777184-\$ or US-6756019-\$   |
|  | or US-6750661-\$ or US-       |
|  | 6736978-\$ or US-6733645-\$   |
|  | or US-6726820-\$ or US-       |
|  | 6714299-\$ or US-6699655-\$   |
|  | or US-6689565-\$ or US-       |
|  | 6660367-\$ or US-6648015-\$   |
|  | or US-6630353-\$ or US-       |
|  | 6619311-\$ or US-6616823-\$   |
|  | or US-6615856-\$ or US-       |
|  | 6614030-\$ or US-6607907-\$). |
|  | did. or (US-6582576-\$ or US- |
|  | 6558960-\$ or US-6551836-\$   |

|  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
|  |  | or US-6541274-\$ or US-6537799-\$ or US-6534013-\$ or US-6517234-\$ or US-6509059-\$ or US-6494230-\$ or US-6488897-\$ or US-6482306-\$ or US-6479299-\$ or US-6472141-\$ or US-6471841-\$ or US-6447727-\$ or US-6447661-\$ or US-6436646-\$ or US-6429025-\$ or US-6413782-\$ or US-6399952-\$ or US-6399389-\$ or US-6379974-\$ or US-6337212-\$ or US-6326083-\$ or US-6321791-\$ or US-6316201-\$ or US-6306659-\$). did. or (US-6306273-\$ or US-6287774-\$ or US-6284113-\$ or US-6274337-\$ or US-6274089-\$ or US-6267858-\$ or US-6251343-\$ or US-6246046-\$ or US-6231737-\$ or US-6221226-\$ or US-6186660-\$ or US-6174675-\$ or US-6171850-\$ or US-6167910-\$ or US-6149787-\$ or US-6129826-\$ or US-6110354-\$ or US-6107044-\$ or US-6103199-\$ or US-6056859-\$ or US-6048498-\$ or US-6001231-\$ or US-5989402-\$ or US-5965410-\$ or US-5964995-\$ or US-5958694-\$ or US-5957579-\$). did. or (US-5876675-\$ or US-5842787-\$ or US-5099128-\$ or US-3979637-\$). did. or (WO-2008006201-\$ or WO-2005018770-\$). did. or (WO-2009071733-\$ or WO-2007100831-\$ or US-20070111296-\$ or US-20050148064-\$ or US-20040112751-\$ or US-20040051154-\$ or US-6231737-\$ or SU-928462-\$). did. |  |  |  |  |
|--|--|--|--|--|--|--|

**EAST Search History (Interference)**

| Ref # | Hits  | Search Query | DBs               | Default Operator | Plurals | Time Stamp       |
|-------|-------|--------------|-------------------|------------------|---------|------------------|
| L43   | 82018 | segment.clm. | US-PGPUB;<br>UPAD | OR               | ON      | 2011/03/13 23:19 |
| L42   | 15633 | divider.clm. | US-PGPUB;<br>UPAD | OR               | ON      | 2011/03/13 23:19 |

|     |        |                                |                   |    |    |                  |
|-----|--------|--------------------------------|-------------------|----|----|------------------|
| L41 | 206873 | (channel or microchannel).clm. | US-PGPUB;<br>UPAD | OR | ON | 2011/03/13 23:19 |
| L47 | 14     | 46 same 41                     | US-PGPUB;<br>UPAD | OR | ON | 2011/03/13 23:20 |
| L46 | 203    | 43 same 42                     | US-PGPUB;<br>UPAD | OR | ON | 2011/03/13 23:20 |
| L45 | 4377   | 41 near3 44                    | US-PGPUB;<br>UPAD | OR | ON | 2011/03/13 23:20 |
| L44 | 249153 | (connecting).clm.              | US-PGPUB;<br>UPAD | OR | ON | 2011/03/13 23:20 |

3/13/11 11:21:49 PM

H:\ EAST Workspaces\ workspaces\ 10560661.wsp